

In the Claims:

1. (Currently Amended) A TV broadcasting system comprising:
an outward broadcast link configured to supply a multi-channel video signal to reach each of a plurality of users via user rooftop broadcast receiver installations, and
a return link from each of said plurality of users, said return link being provided over a terrestrial wireless channel via a terrestrial wide area wireless network (WAN) comprising a plurality of nodes as relay stations, said nodes as relay stations being provided by at least some of said plurality of rooftop user broadcast receiver installations, said user broadcast receiver installations thereby providing infrastructure for said return link.
2. (Original) The system of claim 1, wherein said outward broadcast link is a satellite link.
3. (Original) The system of claim 1, wherein said outward broadcast link is a terrestrial link.
4. (Original) The system of claim 1, wherein said terrestrial network further supports a second forward link to each of said plurality of user receiver installations.
5. (Original) The system of claim 1, wherein said terrestrial network is a wide area network (WAN) operative substantially in accordance with IEEE standard 802.16 or IEEE standard 802.20.
6. (Original) The system of claim 1, wherein at least some of said nodes comprise support for a communications hotspot.
7. (Original) The system of claim 6, wherein said communications hotspot is substantially in accordance with IEEE Standard 802.11.

8. (Original) The system of claim 1, comprising a plurality of terrestrial networks.

9. (Original) The system of claim 1, wherein said terrestrial network comprises a central base station for broadcasting to other nodes thereof using a mesh algorithm.

10. (Original) The system of claim 9, further comprising IP core infrastructure to transmit data between a head end unit and said central base station.

11. (Original) The system of claim 1, comprising a head end unit to direct TV channel content over said outward broadcast link and to manage interactive services for respective users using data received from respective users over said return link.

12. (Currently Amended) A TV broadcasting method comprising:
providing an outward broadcast link to reach each of a plurality of user broadcast rooftop receiver installations,

forming at least some of said plurality of user receiver installations into relay nodes of a terrestrial two-way wide area wireless transmission network (WAN),
and

providing at least a return link from each of said plurality of users via said network, using user rooftop broadcast receiver installations of others of said users as signal relays.

13. (Original) The method of claim 12, wherein said outward broadcast link is a satellite link.

14. (Original) The method of claim 12, wherein said outward broadcast link is a terrestrial link.

15. (Original) The method of claim 12, wherein said network further supports a second outward link to each of said plurality of user receiver installations.

16. (Original) The method of claim 12, wherein said network is a wide area network (WAN) substantially in accordance with IEEE standard 802.16 or IEEE standard 802.20.

17. (Original) The method of claim 12, wherein at least some of said nodes comprise support for a communications hotspot.

18. (Original) The method of claim 17, wherein said communications hotspot is substantially in accordance with IEEE Standard 802.11.

19. (Original) The method of claim 12, comprising building a plurality of networks to cover a region.

20. (Original) The method of claim 12, comprising providing said network with a central base station for broadcasting to other nodes thereof using a mesh algorithm.

21. (Original) The method of claim 20, further comprising utilizing IP core infrastructure to transmit data between a head end unit and said central base station.

22. (Original) The method of claim 12, comprising providing a head end unit to direct TV channel content over said outward broadcast link and to manage interactive services for respective users using data received from respective users over said network.